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1. \square 2/34/1 (Item 1 from file: 351)

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**Image available**
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  WPI Acc No: 1994-343382/199443
    Reinforced plastics or rubber hose to carry pressurised
    fluids - has tubular core round which is wrapped woven network of
    reinforcement material, slanted in relation to central axis of hose,
    covered if necessary with outer protective coating
  Patent Assignee: MEZZALIRA R (MEZZ-I); FITT SPA (FITT-N)
  Inventor: MEZZALIRA R
  Number of Countries: 012 Number of Patents: 010
  Patent Family:
                                 Applicat No
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                  С
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                                                                 199835
   Priority Applications (No Type Date): IT 93VI78 A 19930513
   Cited Patents: No-SR.Pub; EP 153544; FR 2254746; FR 2290292; GB 863303; EP
     527512
   Patent Details:
             Kind Lan Pg
                             Main IPC
                                          Filing Notes
   Patent No
   EP 623776
                 A2 E
                         4 F16L-011/08
      Designated States (Regional): AT BE DE DK ES FR GB IT NL PT
   ES 2063726
                                          Based on patent EP 623776
                 T1
                           F16L-011/08
   US 5477888
                  Α
                         4 F16L-011/08
                  B1 E
                         5 F16L-011/08
   EP 623776
      Designated States (Regional): AT BE DE DK ES FR GB IT NL PT
                           F16L-011/08
                                          Based on patent EP 623776
   DE 69301565
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                  Т3
                           F16L-011/08
                                          Based on patent EP 623776
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   CA 2123546
                  С
                           F16L-011/08
   Abstract (Basic): EP 623776 A
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The hose (10) comprises at least one tubular core layer (3) of plastic or rubber material covered by a woven chain mesh network (4) constructed from parallel lines (5) and rows (6) wound around the core layer, and where required an outer or external layer (7) of protective material.

The woven mesh network is slanted at an angle to the central axis (Y) of the hose so that the rows and lines follow opposite directions and cross in relation to the axis.

USE/ADVANTAGE - Provides flexible high pressure hose which resists any out-of-balance caused by torque created by the passage of pressurised fluid through the hose.

Dwg.1/3



Abstract (Equivalent): EP 623776 B

A hose (10), from the interior to the exterior, comprising: at least one tubular inner layer (3) of plastic or rubber material having an exterior surface; a chain-type mesh-network (4) having mesh lines (5) and mesh rows (6), said chain-type mesh-network having in a single layer a tubular shape and being wound on the exterior surface of said inner layer, and an external layer (7) being disposed over the chain-type mesh-network for the protection thereof, characterised in that said mesh rows and mesh lines are slanted in opposite directions at substantially the same inclination relative to the longitudinal axis of the hose for eliminating torsion effects resulting from pressure changes within the hose.

(Dwg.1/3)

Abstract (Equivalent): US 5477888 A

A hose, from the interior to the exterior, comprising:

at least one tubular inner layer of plastic or rubber material having an exterior surface;

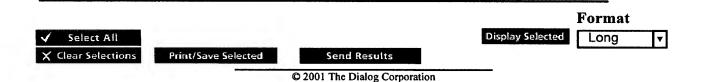
a chain-type mesh-network having mesh lines and mesh rows, said chain-type mesh-network having in a single layer a tubular shape and being wound one the exterior surface of said inner layer, wherein said mesh rows and mesh lines being slanted in directions, substantially perpendicular to each other such that the angle of inclination of the mesh rows relative to the longitudinal axis of the hose is substantially equal to the angle of inclination of the mesh lines relative to the longitudinal axis of the hose for eliminating torsion effects resulting from pressure changes within the hose; and

an external layer disposed over the chain-type mesh-network for the protection thereof.

(Dwg.1/3) Derwent Class: Q67

International Patent Class (Main): F16L-000/00; F16L-011/08

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Sims, John

From:

Hook, James

Sent:

Thursday, February 01, 2001 9:42 AM

To:

Sims, John

Subject:

RE: I have a quick question

As per your comment about printing, it's probably because my messages are in a font called Haettenschweiler, and if your printer doesn't have that font installed, it will pick a default font The easiest way to correct it is to highlight the text of my typing, then wetter the send which may be small.

-Original Message-

From:

Sims, John

Sent:

Thursday, February 01, 2001 9:22 AM

To:

Hook, James

Subject:

RE: I have a quick question

We'll try.

For some reason, printing out this message results in a microscopic print for the body of the message. Any theories?

----Original Message-

From:

Hook, James

Sent:

Thursday, February 01, 2001 8:56 AM

To:

STIC-EIC3700

I have a quick question Subject:

I need to find out if an Italian application ever was printed as a patent and the date it was patented on if it did get patented. I just found out I needed it, and I need the info before 11am if possible. The info is for an interference. I know last time I requested info from you I had a response in my hand within 45 minutes of turning it in, so hopefully the short notice isn't a problem since I know you guys are fast, and good. Thanks for the help.

The Italian application has a number VI93 A 000078 on it's face (note that is the letter i after the V in the number not a number one).

The Italian application was filed on May 13, 1993.

Thanks, I really appreciate the help.

Jim Hook 308-2913

AU 3752

PRI 5641